

Algebra
Simplifying Radicals

Name Key Rad-3

Simplify. Show work!

$$\sqrt{50}$$
$$5\sqrt{2}$$

$$2) \sqrt{27}$$
$$3\sqrt{3}$$

$$3) \sqrt{-8}$$
$$2i\sqrt{2}$$

$$4) \sqrt{-18}$$
$$3i\sqrt{2}$$

$$\sqrt{40}$$
$$2\sqrt{10}$$

$$6) \sqrt{300}$$
$$10\sqrt{3}$$

$$7) \sqrt{32}$$
$$4\sqrt{2}$$

$$8) \sqrt{-20}$$
$$2i\sqrt{5}$$

$$\sqrt{72}$$
$$6\sqrt{2}$$

$$10) \sqrt{-98}$$
$$7i\sqrt{2}$$

$$12) \sqrt{-48}$$
$$4i\sqrt{3}$$

$$13) \sqrt{12}$$
$$2\sqrt{3}$$

$$\sqrt{75}$$
$$5\sqrt{3}$$

$$15) \sqrt{-80}$$
$$4i\sqrt{5}$$

$$16) \sqrt{63}$$
$$3\sqrt{7}$$

$$17) \sqrt{-90}$$
$$3i\sqrt{10}$$

$$\sqrt{-242}$$
$$11i\sqrt{2}$$

$$19) \sqrt{162}$$
$$9\sqrt{2}$$

$$20) \sqrt{-125}$$
$$5i\sqrt{5}$$

$$21) \sqrt{-192}$$
$$8i\sqrt{3}$$